

Receiving Report

Date: 13-8-23

Batch No: 126689

Supplier: metal castle

Dart P/O: 20939

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☒ No ☐
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☒ No ☐ N/A ☐
 Shipment Complete: Yes ☒ No ☐ N/A ☒
 QC6 Inspection Jan 13-08-23 N/A ☒
 Work Order Jan 13-08-23 N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
M303B0.750x1.500	303 Bar .750"x1.500"	12x	0		12	
M303B2.00x1.750	303 Bar 2"x1.750"	12x	0		12x	

Initials of receiver (if shipment OK) Level 12 SP

Production/Admin: 13-8-23
 Date SP
 Received/Costing SP
 Initial SP

Location _____

Page 1 of 1

All amounts are calculated in domestic currency.

All Vendors PO ID PO20939 Receipt Dates from 8/23/2013 to 8/23/2013

Total Received Quantity:
Total Qty to Inspect (PO U/M):
Total Reject Quantity:
Total Receipt Value:
Total Balance Due Quantity:



Castle Metals®

A. M. Castle & Co.

PACKING SLIP/
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No: 1859559

Ship From:		Sold To:		Ship To:		Deliver To:	
A. M. Castle & Co. MONTREAL - CASTLE METALS 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2		DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
Date Shipped	F.O.B.	Freight Terms		Carrier		BOL No	
22-AUG-2013	ORIGIN	Prepaid		MANITOU LIN		1859559-2	

Shipment Details

Order No	Line No	Item No	Description
2995892	2	23970	1.0000.RD.17CR-4NI.STAINLESS.CF.H1150.132.0000-156.0000 SPECIFICATIONS: AMS 5643 Email P/s and Certs to : clavoie@dartaero.com
Purchase Order No	Part Number	Ordered Qty	Invoice Qty
20939		12.00 FT	11.5000 FT
Details			
ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #S FORWARD COPY OF P/S TO TRACY (MONTREAL) Email P/s and certs to: clavoie@dartaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS ECCN # EAR99			
Delivery No.	Mill	Heat Number	Mech Id
119063912	OUTOKUMPU STAINLESS INC.	G18959	1
		PCS	Width (IN)
		1	Length (IN)
			Shipped Qty(LBS)
			138.0000
			30.7050

8813-8-23

SP 13-8-23

These commodities/technologies are subject to US Export Administration & US State Dept. Regulations and, if intended for export, were/are exported thereunder. Diversion contrary to US Law is Prohibited.

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on the subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material out to the correct size, or material out by the customer cannot be returned for credit.

Reviewed by Authorized Castle Metals Representative:

Date: Name:

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US law prohibited.

Date Printed: 22-AUG-2013 11:30:00 AM

Castle Metals FP

HEAT NUMBER G18959
MECHANICAL ID _____
ITEM CODE 23970
LOT NUMBER _____
PO NUMBER 147459
RECEIPT DATE 6-26-12
SUPPLIER OUTO KUMPU
SPECIFICATION _____
LCS 10
COMMENT _____
APPROVED DL

201
13-08-23



Certificate of Test

HEAT G18959 ORDER 627435/ 04 BOL 0217841 * CERTIFICATION * 06/21/12

SHIP TO:
A. M. CASTLE METALS
3400 NORTH WOLF ROAD

FRANKLIN PARK 601310000

----- YOUR ORDER & DATE -----
147459 6/21/12 CUST# 0254001 CUST TAG#23970

----- ITEM DESCRIPTION -----
GRADE 17-4 Ship Condition H1150
Size 17-4 RND CFA H1150 1.0000 x 144.000 RL
Country of Melt: UNITED STATES Country of Mfg.: UNITED STATES
NAFTA Country of Origin is Country of Melt

No weld repair
Free of mercury contamination, Free of radiation contamination
No WEEE relevant substances; Meets EU electrical ROHS

Total Bundles 1 Total Weight 3018

WO 2031141 Bundles: 1C

----- SPECIFICATIONS -----
THE PRODUCTS LISTED ON THIS MILL TEST REPORT SATISFY PREFERENCE CRITERION B
AS DEFINED IN ARTICLE 401 OF THE NORTH AMERICAN FREE TRADE AGREEMENT.

AMS 2303F	UNS S17400, AISI 630
ASME SA564 E10 A11a	ASTM A484 11
ASTM A564 10 Type 630	DFARS 252.225.7009 10/4/11
AM Castle 3174-04 R31	Sol Ann 1900F/1Hr/Rapid Cool
Aged at 1150F for 4 hr, AC	AMS 5643R Chemistry

----- MECHANICAL & OTHER TESTS -----

Hardness as shipped	327 HB				
Hardness as shipped	035 HRC				
Grain size	6.0	Tensile strength, KSI (MPa)	150.0	(1034)	
Micro	OK	0.2% Yield Strength, KSI (MPa)	132.0	(910)	
Intergranular corrosion					
Macro	OK	Elongation % in 4D	18.0		
		Reduction of area %	59.0		
		Charpy (ft lb)	92 100	104 Avg	98
		Charpy Test Temperature	RT		
Ferrite	1.0	Lateral Exp (mils)	43 50	52 Avg	48

----- CHEMICAL COMPOSITION -----

Carbon (C)	.026	Manganese (Mn)	.810
Phosphorus (P)	.020	Sulphur (S)	.028
Silicon (Si)	.430	Chromium (Cr)	15.390
Nickel (Ni)	4.280	Cobalt (Co)	.050
Copper (Cu)	3.800	Moly (Mo)	.260
Nitrogen (N)	.034	Columbium (Cb)	.250
Titanium (Ti)	.010	Aluminum (Al)	.010
Tin (Sn)	.010	Boron (B)	.001
Tantalum (Ta)	.010	Vanadium (V)	.070
Tungsten (W)	.050		.000
Columbium/			
Tantalum (Cb+Ta)	.260		
Iron (Fe) Balance			
Frequency	.000	Severity	.000
Melt Practice	EAF		
Refining Practice	AOD		
De-long Ferrite			

Knowingly & willfully falsifying or concealing a material act on this form, or making false, fictitious or fraudulent statements or representations herein could constitute a felony punishable under federal statutes. We hereby certify that the test results shown in this report are correct and accurate as contained in the records of the company and are in compliance with the specifications, codes, and standards listed above.

M.F. Marcano, Quality Manager

M.F. Marcano



Castle Metals®

A. M. Castle & Co.

PACKING SLIP/
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No.: 1859559

Ship From:	Sold To:			Ship To:	Deliver To:
A. M. Castle & Co. MONTREAL - CASTLE METALS 835-SELKIRK AVENUE POINTE CLAIRE, QUEBEC H9R 3S2	DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA			DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN	DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA
Date Shipped	F.O.B.	Freight Terms	Carrier	BOL No	
22-AUG-2013	ORIGIN	Prepaid	MANITOULIN	1859559-2	

Shipment Details	Final Destination Branch - MON
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Order No	Line No	Item No	Description	Ordered Qty	Invoice Qty		
2995892	1	14154	0.5000.RD.303.STAINLESS.CF.ANN.132.0000-156.0000 SPECIFICATIONS: ASTM A582 Email P/s and Certs to : clavoie@dataero.com				
Purchase Order No		Part Number	Ordered Qty	Invoice Qty			
20939			60.00 FT	60.4167 FT			
Details		ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #S FORWARD COPY OF P/S TO TRACY (MONTREAL) Email P/s and certs to: clavoie@dataero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS ECCN # EAR99					
Delivery No.	Mill	Heat Number	Mech Id	PCS	Width (IN)	Length (IN)	Shipped Qty(LBS)
119063912	NORTH AMERICAN STAINLESS	F9B4		5		145.0000	40.3583

8813-8-23

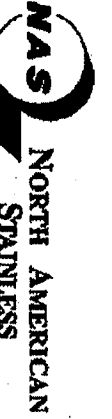
9th 12/28/23

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We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on the subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.

Reviewed by Authorized Castle Metals Representative:

Date: Name:



NORTH AMERICAN
STAINLESS

METALLURGICAL TEST REPORT

6870 Highway 42 East
Cheney, KY 41045-9615
(502) 347-6000

Certificate: 824462 15

Mail To:
A.M. CASTLE AND COMPANY
1420 KENNINGTON ROAD-SUITE 220
OAK BROOK IL 60523

Ship To:
A.M. CASTLE AND COMPANY
3400 NORTH WOLF ROAD
FRANKLIN PARK IL 60131

Date: 4/04/2013 Page: 1 of 1

Customer: 0032 001

NAS Order: LN 96407 1

Your Order: 212767

Item Code: 14154

Steel: 303
Finish: Cold Draw
Dia/Thk: .5000 in
Leg Length: 144.00 in
Corrosion:

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
ASTM A582/12 EN 10204 3.1, ASTM A484/11
AMS 5640V TYPE 1, QQS-764B CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/REQUIREMENTS OF DEAR 252.225-7014A-1 EU DIRECTIVE
2011/65/EU, ROHS, EAF+ADD+CC. NO WELD REPAIR, MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight	Bundle Weight
BF31712	1790	BF31736	2322								

CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Chemical Analysis per ASTM A751/08

Heat	Supplier #	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %	S %
F984	US	.050	.11	17.22	.35	1.83	.26	.052	8.47	.031	.3200	

SI %	.37
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MECHANICAL PROPERTIES

Y	T	HB	NO.	2YS	UTS	RA	%	ELONG	% 2"
BF31712	RL	204.0	72.84	101.87	57.19	44.25			
BF31736	RL	204.0	72.84	101.87	57.19	44.25			

HEAT NUMBER: Castle Metals-FP
MECHANICAL ID: F984
LOT NUMBER: 214202
RECEIVED DATE: 4-8-13
SUPPLIER: NAS
SPECIFICATION: LCS
COMMENT: APPROVED

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS

Technical
Dept. Mgr. ERIC HESS



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO20939**

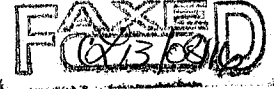
Purchase Order Date 8/15/2013

PO Print Date 8/15/2013

Page Number 1 of 2

Order From : VC-MET001
METAUX CASTLE
A.M. CASTLE & CO. (CANADA) INC. - C/O 910720
P.O. BOX 4090 STN A
TORONTO, ON M5W OE9
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA



Contact Name
Vendor Phone 514 694 9575

Ship To Contact
Ship To Phone
Ship Via: Yours ppd
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB Destination-Collect

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M174PH-H1150R1.000	17-4 SS H1150 ROUND BAR 1.000	8/30/2013 Yes 8/30/2013		12.00 f	\$19.06	\$228.72
MATERIAL: 17-4 PH CONDITION H1150 GRAIN MUST BE ALONG LENGTH OF BAR							
Line Total:							\$228.72
2	M303B0.750X1.500	303 BAR .750" X 1.500"	8/30/2013 Yes 8/30/2013		12.00 f	\$50.97	\$611.64
MATERIAL: AISI 303 SS BAR AS PER ASTM A582 NOTE: AISI 304/316 NOT ACCEPTABLE							
Line Total:							\$611.64

5813-8-23

Note:

8/15/2013



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO20939**

Purchase Order Date 8/15/2013

PO Print Date 8/15/2013

Page Number 2 of 2

Order From : VC-MET001
METAUX CASTLE
A.M. CASTLE & CO. (CANADA) INC. - C/O 910720
P.O. BOX 4090 STN A
TORONTO, ON M5W OE9
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 514 694 9575

Ship To Contact
Ship To Phone
Ship Via: Yours ppd
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB Destination-Collect

3	M303B2.000X1.750	303 BAR 2" X 1.750"	8/30/2013	12.00	\$94.18	\$1,130.16
			Yes	f		
			8/30/2013			

MATERIAL: AISI 303 SS BAR AS PER ASTM A582
NOTE: AISI 304/316 NOT ACCEPTABLE

Line Total: \$1,130.16

4	M303R0.500	303 Round Bar 0.500"	8/30/2013	60.00	\$1.81	\$108.60
			Yes	f		
			8/30/2013			

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582
NOTE: 304/316 NOT ACCEPTABLE

Line Total: \$108.60

PO Total: \$2,079.12

8-13-8-23

CL ML

Note: Pricing listed above is as per contract agreement between Dart Aerospace and the respective manufacturer.

No substitution or deviation without consent.

Certificate of Conformity or Material Certification required **YES** NO

PST# 6122-5207

Change Nbr:

1

Change Date: 8/15/2013